

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 52-117367 (71)Applicant : YAMAHA MOTOR CO LTD

(22)Date of filing : 29.09.1977 (72)Inventor : YOKOYAMA TATSUJI

(54) SLIDE RAIL SUSPENSION FOR SNOWMOBILE ETC.

(57)Abstract:

PURPOSE: To prevent a guide wheel from ramming a truck housing, by restricting rear links to cooperate from the halfway of their compression stroke with the travel of front link.

CONSTITUTION: A stop 21 is provided for a suspension 10 consisting of the front link 15 rotatably coupled at its upper end to a support shaft 11 on a housing 2 and at its lower end to a slide rail 6, and rear links 16, 16' pivoted at ends to a support shaft 12 and the slide rail 6 and coupled to each other by a shaft 20. When the rear part of a truck 8 is rammed up by the surface of snow under running, the rear links 16, 16' are moved to their compression stroke under the push-up by the slide rail against the elastic force of a spring 18. Halfway of the compression stroke, an end of shaft 20 comes into contact with the stop 21. Thereafter, the front link 15 and the rear links 16, 16' cooperate with each other and move to their compression stroke against the elastic force of the springs 17, 18 to suppress the jump-up of the guide wheel 7

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